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FIG. 1A

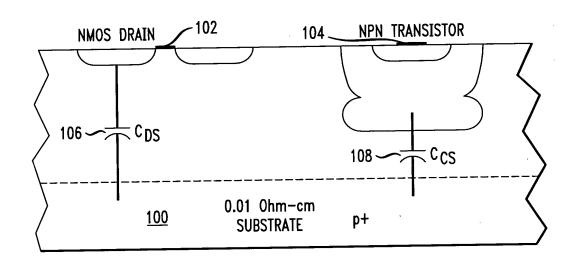
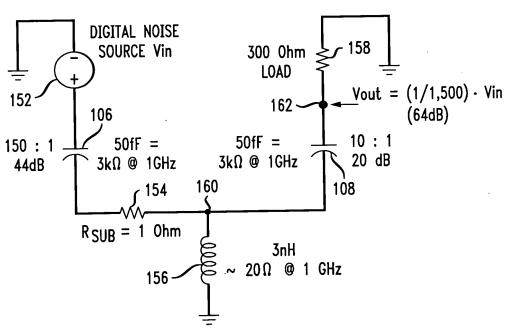


FIG. 1B

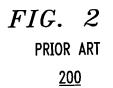
PRIOR ART

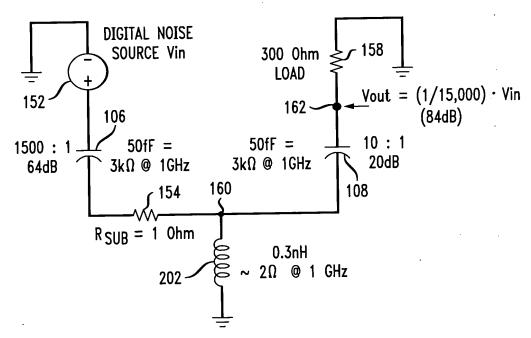
<u>150</u>





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3/7 *FIG.* 3A

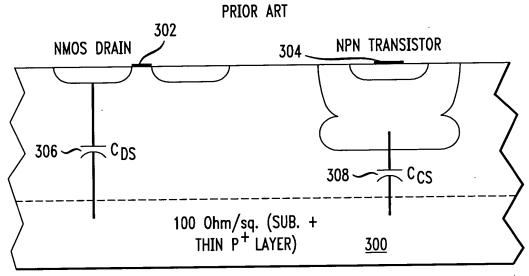
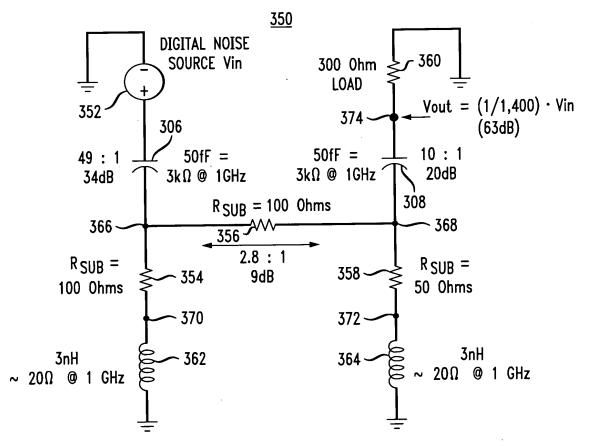


FIG. 3B

PRIOR ART



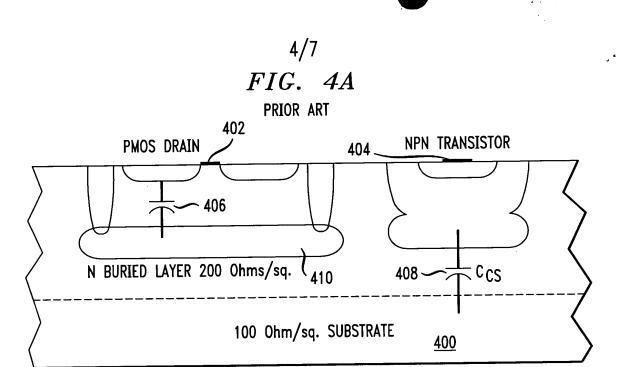
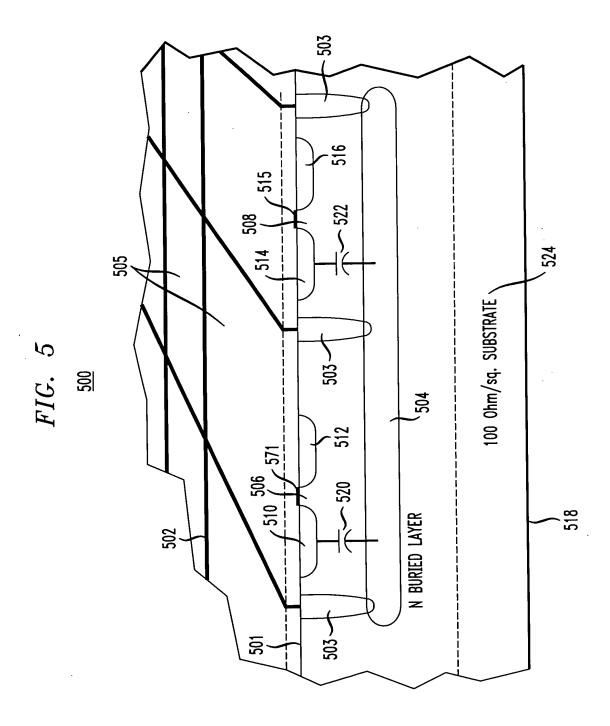
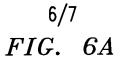


FIG. 4B PRIOR ART <u>450</u> DIGITAL NOISE SOURCE Vin 300 Ohm LOAD $Vout = (1/1,800) \cdot Vin$ 452 474 406 (65dB) 10:1 50fF = 50fF =63:1 $3k\Omega$ @ 1GHz $3k\Omega$ @ 1GHz 20dB 36dB 408 466 $R_{SUB} = 100 \text{ Ohms}$ - 468 456 - A 100Ω 2.8:1 $R_{BL} =$ R_{SUB} = 458 9dB **~ 454** 200 Ohms 50 Ohms 453 470 472 3nH 3nH462 464 \sim 20 Ω @ 1 GHz ~ 20Ω @ 1 GHz }

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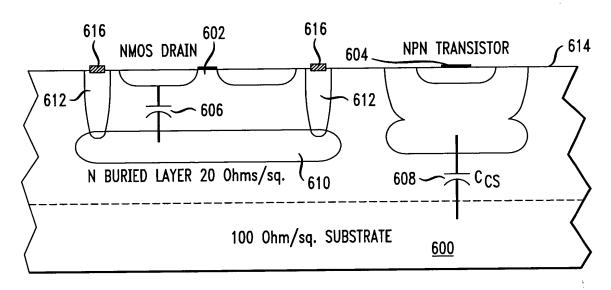
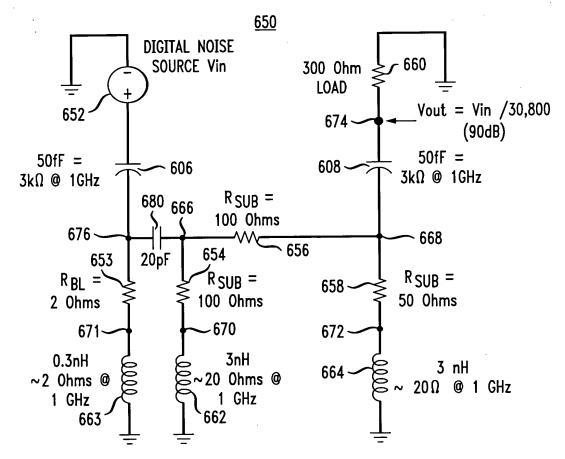
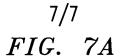


FIG. 6B





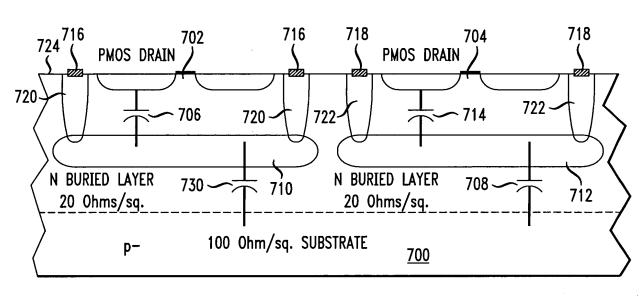


FIG. 7B

